Application

Call	Concept Notes for Large Integrated Projects Foundational Biodiversity Information Programme
Call Start Date	17 February 2025
Call End Date	16 May 2025
Reference	FBIC250410310077
Title	Mr
Initials	ts
Name	tshingombe tshingombe
Email	tshingombefiston@gmail.com
ID/Passport Number	tircgog0091616
Race	African
Gender	Male
Citizenship	Non-South African citizen
Organisation	South African Qualifications Authority (SAQA)
Birth Date	10 October 1982
Date Generated	15 October 2025 09:25

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Personal Profile

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- Potential Impact and Outputs

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Science Engagement
National Infrastructure Platform

CV

Personal Profile

ID/Passport Number tircgog0091616	Citizenship Status Non-South African citizen
Country Of Birth Democratic Republic of Congo	Current Country Democratic Republic of Congo
Institution South African Qualifications Authority (SAQA)	Position/Delegation engineering
Race African	Identity Type Passport Number
Gender Male	Identity Document My CV _ NRF Connect orcide tshingombe.pdf
Institution Country Democratic Republic of Congo	Passport Expiry 23-Apr-2026 12:00:00 AM
Research Expertise Curriculum Policy and Management	Research Expertise Type Field of Specialisation

Qualifications/Certifications

Academic Level of Qualification Bachelors	Study Fields Energy studies

Name Of Degree/Diploma (e.g. PhD) engineering	Institution South African Qualifications Authority (SAQA)
Fulltime Yes	Distinction N/A
Date of First Registration 2024-03-14	Completed Yes
Highest Qualification Yes	Date Obtained 2025-04-11
Academic Record/Transcript Professional Resume_CV - Atlantic International University 2.pdf	

Research Expertise

Scientific Domain

Engineering

Primary Research Fields

Engineering sciences	Technologies and applied sciences

Secondary Research Fields

Electrical Engineering	Education
Information and library science	

Field Of Specialisation

African environment	Additive manufacturing
Industrial and economic sociology	Analytical Environmental Chemistry
Applied Chemistry - Membrane Technology	Nanostructured materials and packaging
Materials science and Engineering	4th Industrial Revolution in the Construction Industry
Structural Geology	African oral literature

Student Supervision

Title Mr	Initials tsh

Surname tshingombe	Citizenship Status South African citizen
Race African	Gender Man
Institution South African Qualifications Authority (SAQA)	Level Honours
Name Of Degree/Diploma (e.g. PhD) tshingmbe	Is Fulltime Yes
Supervised From 2025	Supervised To 2025
Role Supervisor	Year First Registration 2023
Is Completed Yes	Year Awarded 2025

Career History

Type Permanent appointment	Position engineering electrical
Organisation enginering electrical	Sector Higher Education Sector
Is Current Yes	Appointed From 2025-04-14

Type Awards and prizes	Sector Higher Education Sector
Description saqa award degree diploma	

Type Awards and prizes	Sector Higher Education Sector
Description engineering electrical science	

Research Outputs

Summary

	2025	2024	2023	2022	2021	2020	2019	2018	2017	Total
Articles in Refereed/Peer-reviewed Journals	0	0	0	0	1	0	0	0	0	1

Articles in Refereed/Peer-reviewed Journals

Output Title
Conservative and Semismooth Derivatives are Equivalent for Semialgebraic Maps

Title of Journal Set-Valued and Variational Analysis	Authors Damek Davis, Dmitriy Drusvyatskiy
Status Published/produced	Year 2021
DOI 10.1007/s11228-021-00594-0	

Output Title
master education technology rural implentation framework

ISBN Number 520-03-123456	Title of Journal master education technology rural career thes
Volume 1900	Authors tshingombe
Status Attended	Publisher atlantic
DOI research thesist master doctoral	

Refereed/Peer-reviewed Conference Outputs

Output Title
https://github.com/Kananga5/Curriculum-section-1-1.1-Thesis.-Degree-honor-council-quality-rules-low-become-justice

ISBN Number 520	Contribution Title engineering ts
Proceeding Title research thesis	Authors tshingombe tshitadi
Status Attended	Country USA

Patents

Application Date 2025-04-14	Application Number 520520
Full Title engineering master doctoral	
Grant Date 2025-04-14	Grant Number 520520

Description
engineering rural master doctoral

Inventor

Poster
_____ 4.1 .12.1.Name of thesis : implementation and framework national qualification and national trade examination circulum experimental job theoretical pratical college and govern

Application Type	Region
Continuing Application	South Africa
Status	
Granted	

Application Date	Application Number
2025-09-15	30

Full Title

AUTHORY: TSHINGOMBE TSHITADI
CURRICULUM

Career Discovery Overview: RNF, AIU, NSF Learning Journey within the National Trade Framework Qualification in Electrical Engineering
Author: Tshingombe Tshitadi Fiston

�� ABSTRACT

Grant Date	Grant Number
2025-09-15	2

Description

AUTHORY: TSHINGOMBE TSHITADI
CURRICULUM

Career Discovery Overview: RNF, AIU, NSF Learning Journey within the National Trade Framework Qualification in Electrical Engineering
Author: Tshingombe Tshitadi Fiston

�� ABSTRACT
This paper explores the intersection of career discovery, open-access learning, and credential transparency within the context of electrical engineering. It synthesizes insights from RNF (Recognition of National Frameworks), AIU (Atlantic International University), and NSF (National Science Foundation) initiatives to scaffold a transdisciplinary learning journey aligned with South Africa's National Trade Framework. The study proposes a modular, portfolio-driven approach to vocational education, integrating diagnostics, digital publishing, and global benchmarking.

�� SCOPE
• Electrical engineering education across formal, informal, and open-access platforms
• Credential alignment with SAQA/NQF, WA codes, and NSF SBIR/STTR frameworks
• Integration of AIU Guest Student modules into national qualification pathways
• Use of LMS, GitHub, and Internet Archive for portfolio documentation and career mapping
�� OVERVIEW
This work positions career discovery as a dynamic, data-driven process. It examines how learners can navigate trade qualifications through personalized learning paths, diagnostic assessments, and crede

Inventor

AUTHORY: TSHINGOMBE TSHITADI
CURRICULUM

Career Discovery Overview: RNF, AIU, NSF Learning Journey within the National Trade Framework Qualification in Electrical Engineering
Author: Tshingombe Tshitadi Fiston

�� ABSTRACT
This paper explores the intersection of career discovery, open-access learning, and credential transparency withiRetail library collections (e.g., CNA, Shoprite) do not include modular casebooks for trade readiness and mentoring, missing a critical opportunity to democratize technical education.”

�� Tips for Crafting Your Own
• Start with evidence or observation
• Define the gap or deficiency
• Highlight the impact on learners, educators, or institutions
• Point to the need for your specific solution
Would you like help drafting a custom problem statement for a specific funder or proposal section? I can also help you align it with your logic model or theory of change.

Application Type	Region
Continuing Application	South Africa
Status	
Granted	

Full Title

AUTHOR : TSHINGOMBE TSHITADI
CURRICULUM

Career Discovery: Security, Safety, Defense Facilitation, Government Bill Skill Development, CCMA Labour Levy, and Engineering Skill Integration
Author: Tshingombe Tshitadi Fiston
�� SCOPE
This document investigates the intersection of national security facilitation, labour policy, and engineering skill development. It integrates CCMA labour frameworks, government bill implementatiour

Description

AUTHOR : TSHINGOMBE TSHITADI
CURRICULUM

Career Discovery: Security, Safety, Defense Facilitation, Government Bill Skill Development, CCMA Labour Levy, and Engineering Skill Integration
Author: Tshingombe Tshitadi Fiston
�� SCOPE
This document investigates the intersection of national security facilitation, labour policy, and engineering skill development. It integrates CCMA labour frameworks, government bill implementation, and vocational engineering diagnostics to support career readiness and systemic reform in technical education.
�� DESCRIPTION
The framework explores how security and defence-related competencies—such as safety audits, infrastructure diagnostics, and policy facilitation—can be scaffolded into credentialed engineering pathways. It includes analysis of CCMA labour levy systems, government skill development bills, and modular engineering training aligned with SAQA/NQF standards.
�� OVERVIEW SUMMARY
• Security & Safety: Risk assessment, compliance audits, and infrastructure protection
• Defence Facilitation: Technical support roles in public safety and emergency systems
• Government Bill Skills: Implementation of national training mandates and levy-funded programs
• CCMA Labour Levy: Workforce regulation, dispute resolution, and skill funding mechanisms
• Engineering Skills: Modular diagnostics, signal processing, and infrastructure simulation
This overview supports a transdisciplinary career model that blends policy, diagnostics, and technical education.
�� DATA ANALYSIS
Domain Data Source Key Insights
CCMA Labour Records Dispute resolution logs Skill gaps in regulated sectors
Government Skill Bills Legislative archives Funding allocations and compliance
Safety Audit Reports Infrastructure diagnostics Risk mitigation and training needs
Engineering Training Logs LMS and GitHub CI/CD Credential mapping and skill indexing
�� INVESTIGATION
• Field analysis of CCMA dispute cases and skill levy outcomes
• Review of government bills on vocational training and safety compliance
• Diagnostic mapping of engineering modules to public safety roles
• Integration of security protocols into LMS and credential artifacts
⚖ ADVANTAGESUIREMENTS (South Africa & UK Cont

Inventor

Career11tf discovery job trade memo lecture learn note.docx 35 MB

Career10f discovery job trade memo lecture learn note.docx 170 KB

HBXUmm-k.pdf 272 KB

kzEoOz5g.pdf 215 KB

SARAO-HCD-Diploma-in-Engineering-Technology-Scholarship-Programme-2026-Application-Guide.pdf 140 KB

y4yEC4lC.pdf 181 KB

Career8 security safety policy defended faciltor gov bill skill developmen ccma labour levy.docx2.docx 200 KB

PSSPF_Complaint-Form-2025.Individual.pdf 271 KB

pro rnf excell vba.xlsx 1.4 MB

home affairs documents cvs-1.pdf 3.6 MB

Career8 security safety policy defended faciltor gov bill skill developmen ccma labour levy.docx2(1).pdf 959 KB

Ucpd tshingombe fiston(2).docx 27 KB

Career 6 experience discovery tshingombe tshitadi.docx 35 MB

Career9f discovery job trade memo lecture learn note.docx 161 KB

Career11tf discovery job trade memo lecture learn note.pdf 31 MB

Application

Basic Information

Call Grant Year	Funding Years Requested
2025	2

Descriptive Title
master engineering rural low become rules security policy skill development

Institution	Short Title
CSIR - Defence and Security	engineering master rural

Concept Note

Reason To Receive Funding
reason fo master was for gate resulted and statement national system on the time real

Why Full Proposal Supported
energy rural master skill low become on land development integral system irregularity and back log system education trade

Is Application Submitted
Yes

Details of Research

Background and Problem Statement

tion|| domination|||emphasis|||| specifications||||| professional.

_____

3.curculum course ,
Assessment
-3.1.title of the subject :
engineering electrical master
-3 2 terminanal objective of the course :
Engineering electrical master basic advance field studies assignment to able capable to define to design creativity fundamental system master low skills and knowledge value compete witheach section shall be responsible for delivering the best regards in electrostatic electrodynamics electromagnetic and value of power systems.
- 3.3..brief description : the course electrical power system use or business in trade theory pratical system to master system value more stability of movement quantum mechanics transformation of electrostatic dynamic low stability,relativity of charge celerity basic and advance in trade theory electrical low Commissioning and approval: low change rules change phenomenon fundamental by stress of movement rupture breaking electrical system synchronise system asynchronous linearization system,in trade theory electrical and industrial electronics basic advance power
3.4.synopsis of content: the stability design projection system trade marketing board information system electrokinematic dynamic physical state engineering science introduction used to trade theory electrical ,manufacture process inventory low stamp system low stable loadshedding week manufacture industrial technology linearization system.
-3.5 activities of course :
Activity engineering electrical electrical experiemental subject completed log Engineering studies work 3dimension multidisciplinary approach logic of this claim: information management system in education and learn trade facilitation
Discussion log : completed theory pratical physic experiemental panel trade ,, experiemental input and output system
Activity: manipulation: test electrostatic
Conductivity expension linearization system ,dynamic system test insulation conductivity low rules , derivatives limited integrally sum resulted test system evaluation framework.
Critical source
3.5 .source of data :
Experiemental topics St peace college tshingombe ,web PG
3.6 bibliography:
Tshingombe .
_____4.Assignment :

Title page: engineering electrical master
Electrostatic electrokinematic electrodynamics electromagnetic, stability power systems ,,,process control ,,in trade theory pratical manufacture process. Inventory claim
- index :
- page :
Cover the ,7 basic
Question course
Wath means
- diagrams: scheme correlative matrices and comparative matrices :
Answer:
- deepening of the subject : engineering electrical master low phenomenology studies vibration system.
- pratical example and cases .: engineering electrical cases study city power scheneider Eskom. Loadshedding power and industrial dtic trade career hr
- justification:
- level experience :
- how the treated subject is seen at the local regional
-advantage and disadvantages,.
Poor efficiency and poor distribution of system ,, in trade close tendered systemBig system most important consumers system in trade increase coat award ..
No master number real system imaging

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5. Topics.
Table of contents:
5.1: Introduction purpose of topics
Definition rationale:
5.2 description:
Components of the topics
5.3.general analyse :
- 5.4. actualization : case study.
5.5 . discussion:
5.6 general recommendation .
5.7 : suggestions.
Conclusion news perspective
- 6 topics in electrical engineering,MS ,MSEE..- topic 6.1: digital telephonic
Introduction purpo

Proposed Activities/Methodology/Work Plan

1. 1 .3Overview:Labour low rules machinery OSHA LRA GN rules African act sabs low Engineering electrical low rules , council bargaining power low rules trade manufacture compliance .

*Key low : mediation facilitator low rules accountability African bureau trade language code practice rules engineering . Education technology and university developm department minister goverment culture ..unity

Low justice land low theory : trade

Accountability

-*key city power Eskom commissioner low eleccompt nova blr low , unity city regulation governing , industrial trade low system , language African system information relate system Zimbabwe ,saqa framework qualifications low rules a t unity qualification to country Congolese design framework unity qualification design organisation originator EU ,USA Australian UK ,Uganda Nigeria. Africa cultural workshop cultural language Africans isizulu ,,shangani. ,,Luba Swahili lingala. Interpretation , animation cultural

* Orientationtheory bibliography, investigation African earth moon Sens phylosophie African tolling working movement ,, interpretation pratical biblic heubreu Egypt manuscript herbetologi archeological lithography earth material designto me

***1.3.2..3 Overview career libraries ,mentor facilitator library research method book . Low congre library,**

***1.3.2..3.**

3.1Key: about library research centre the mission of the low library of congress is to provide authoritative legal research , reference and instructions service and access to an resolved. Established 1832 low library has a collection of over ,2,9 million volumes spanning all systems and period of low and government all the .

* The library of congress provides congress admnister the national copyright system and manage the largest collection of book recording , photography maps ,16 years authority record .

* Administration commercial ,low environment criminals low procedure intelligence , property legal , .

* Broken down research court record .

* Grant proposal : non profit grant proposal date submission grant submitted to asresss

---

1.3.2..3.4.request for proposal :4.1* education technology ,and master engineering electrical

Potential Impact and Outputs

VET lecture underplaning..Framework qualicafition nated ncv combination irregularity back log insurance assessment policy engineering studies
Work experimental based regulation discovery Portofilio skill development rural energy low rules

1..1 introduction : framework experimental nated ncv combination Nated combination irregularity policy management system information workbase experimental facilities moderator personal trainer and lecture workbase conceptual in vocational instituts framework meeting discipline resolve continue insurance body framework system education challenge level disciplinary

1.2 .problem statement :

Implementating framework qualicafition system agreement statement over stay system education technologie and technical vocational engineering field in Engineering lecture and assessor conducted learner need to print in time outcome information and quickly statement ..of review marked and remarking

- purpose of study : research advanced field and research basic essential field system ruraleneed to implementating in new system. Energy of education technology era system council adoption low rules statement college distance learning courses subject issue teacher design framework and work framework with learner job. Team ..

1.3 .2 rational : idea logic approach methodic disciplinary hearing duty system of institution vocational and system management system information need resolved , idee job fractinel evidence low design information management system instituts police no meeting equivalent national exam and statement of result research out mark druip reason additional information irregularity system need to make reason quotion of job learner lecture agreement of same compensation insurance for aware certificate compliance hr resource to recognise certain factor idee no to monopolies education system but democratic liberalism of certain factor in examination criterial of course private system industrial..

-1.5 background to the study :

Ireviewed and over view system agreement continue framework attandance rurale school college time table more less agreement system policy academic organisation of national trade faculty and national framework qualicafition system internal working base system need to quickly factor policy dhet cat council award challenge policy college academic with engineering system theory and combination factor need theory to be agreed with internal external factor meeting college labour ,learn college and vocational technical in challenge was slow to challenge factor learning and release resultat printed statement no remuneration outcome of Portofilio damage system information leave reason non accreditation no credible process ..

- 1.6 research question:

- need research in field advance essential basic assessment police topic project . Analyse investigation research over stationery police stations ..policy management council trade theory electrical engineering department university distance education technology agreement manufacture related .research information additional information system research printed orientation industrial ,research in academic police engineering safety police in private sector non recording system research record of information and statements,of qualicafition not meeting need to re rwiten supplement retake survey assessment for meeting circuit phase design.

- 1.7 theoretical framework : pratical framework phylosophie,the framework qualicafition circulum implentation idee concept irregularite regulation record mark sheet time table design career combination career system phylosophie concept ,cognitive attandance day ,time table allocation design assessment day development day design in system integration nationalframework originator idee engineering phylosophie sgb ,phylosophie seta edpseta department education integrity system analyse dyy and college idee ..rura

Attachments

Submission Document
mySchneiderproject.pdf

Attachment Document Type
Three year breakdown budget

Submission Document
mySchneider project tshing.pdf 5.pdf

Attachment Document Type
Three year breakdown budget

Submission Document
research rnf dst dtic emer department education compagny sociaty thesis atlantic.pdf

Attachment Document Type
Supporting Documents

Submission Document
thesis intergation final an Curriculum assessment assessment 2 aiu-1.pdf

Attachment Document Type
Supporting Documents

Submission Document
Proposal of thesis content. 1.pdf

Attachment Document Type
Supporting Documents

Submission Document
Section one 2 final experimental thesis career description combination career ip met license.pdf next 2,.pdf

Attachment Document Type
Supporting Documents

Submission Document
Career center final rwiten scie bono dhet nated , peace tshingombe faciltator note(1).pdf na.docx final.pdf

Attachment Document Type
Supporting Documents

Requested Financials

	2025

Running expenses	
Materials and supplies	R10,000,000.00
Motivation 2025: engineering supporting	
Total	R10,000,000.00

Other Sources of Funding

Funding Source Type
Higher Education Institution

Nature Of Contribution
on line corp and submittion award amercain

Source
national science fund

Science Engagement

Category
Policy and proactive actions (initiatives and interventions aimed at shaping various policy agendas and policy instruments)

Science Engagement Intended Audience
Learners (school)

Intended Engagement With Audience
engineering policy

Plan To Assess Broader Impact
assessment policy integration framework regulatory

Engagement To Be Undertaken
assessment policy engineering

National Infrastructure Platform

National Infrastructure Platform Lookup
CSIR – Materials Science and Manufacturing

Planned Usage
engineering science material

Type Of Platform
Data and equipment